



## Features

- Available in 2A and 3A versions
- Fault Relay Output
- Fault indicator and Resettable Buzzer
- Earth monitoring
- Available in ABS (BX1)
- Available in Metal cabinets (BX10) shallow and deep versions
- Complies with AS4428/AS7240, EN54 and NZS4512

## Description

The **MultiAmp PSU** is a general purpose regulated power supply unit that is produced in two versions

1. 2A @ 27VDC.
2. 3A @ 27VDC

The unit comprises:

- A switch-mode power supply that is mounted on the back pan, and
- A control and monitoring card mounted to the front panel

A set of two (2) 7Ahr batteries may be housed in the BX1 and BX10 standard cabinet and a set of two (2) 12Ahr batteries in the BX10 deep cabinet. (Maximum size based on Ampac battery specifications)

The unit incorporates temperature sensing and compensation whereby a change in ambient temperature adjusts the battery charging voltage.

Features include:

- Fault relay output
- Fault indicator and resettable buzzer
- The power supply unit is designed to meet
- Earth monitoring
- Flush or surface mount enclosure
- Terminals that cater for 2.5mm<sup>2</sup> cables

There are two (2) versions of the power supply that cater for the New Zealand standards (NZS4512) and Australian/European standards (AS4428/AS7240 & EN54).

The NZ version differs from the AS/EN version in the Battery Capacitance test

The NZ version will signal a Low Batt fault at 23.5 VDC

The AS/EN version will signal a Low Batt fault at 21.3 VDC



Figure 1 MultiAmp PSU ABS Cabinet (BX1)



Figure 2 MultiAmp PSU Metal Cabinet (BX10)



## Indicators

EXTERNAL	COLOUR
Power	Green
Common Fault	Amber
INTERNAL	COLOUR
Charger Fault	Amber
Low Battery Fault	Amber
Battery Missing	Amber
Earth Fault	Amber
Mains Fault	Green

## Controls

DESCRIPTION	FUNCTION
Buzzer Silence	Silence the internal buzzer

## Item Numbers

4510-2110	MultiAmp PSU 2A AS/EN Version (ABS BX1)
4510-2120	MultiAmp PSU 3A AS/EN Version (ABS BX1)
4510-2210	MultiAmp PSU 2A AS/EN Version (Metal BX10)
4510-2220	MultiAmp PSU 3A AS/EN Version (Metal BX10)
4510-2310	MultiAmp PSU 2A AS/EN Version (Metal BX10 Deep Cabinet)
4510-2320	MultiAmp PSU 3A AS/EN Version (Metal BX10 Deep Cabinet)
4555-2110	MultiAmp PSU 2A NZ Version (ABS BX1)
4555-2120	MultiAmp PSU 3A NZ Version (ABS BX1)
4555-2210	MultiAmp PSU 2A NZ Version (Metal BX10)
4555-2220	MultiAmp PSU 3A NZ Version (Metal BX10)
4555-2310	MultiAmp PSU 2A NZ Version (Metal BX10 Deep Cabinet)
4555-2320	MultiAmp PSU 3A NZ Version (Metal BX10 Deep Cabinet)
ENC3016-A	BX10 Surround

## Mechanical

Material:	
ABS Cabinet (BX1)	ABS/Blend High Impact
Metal Cabinet (BX10)	1.2mm Mild Steel
Finish:	
ABS Cabinet (BX1)	ABS Light grey
Metal Cabinet (BX10)	Metal Oyster matt Ripple
ABS Cabinet (BX1)	300mm (H) x 360mm (W) x 100mm (D)
Metal Cabinet (BX10)	300mm (H) x 360mm (W) x 100mm (D)
Metal Cabinet (BX10 DEEP)	300mm (H) x 360mm (W) x 200mm (D)
Packed	310mm (H) x 500mm (W) x 110mm (D)
Weight packed excluding Batteries	ABS 2kg Metal 5.2kg

## Specification

Power Supply	
Mains Supply	190 – 264 VAC
Operating Voltage	27.5 VDC ± 0.2 VDC
Supply Current	2A Current limited (2Amp Version) 3A Current limited (3Amp Version)
Ripple voltage	100mV
Regulation	2%
Operating Temperature	0°C to +40°C
Relative Humidity	25% - 75%
Battery / Battery Charge	
Output Voltage	27.3 VDC ± 0.2 VDC
Battery Capacity	BX1 and BX10 2 x 7Ahr 12V Sealed Lead Acid BX10 Deep Cabinet 2 x 12Ahr 12V Sealed Lead Acid
Maximum Charge Current	400mA (2A) 600mA (3A)
Battery Disconnect Value	21VDC ± 0.5 VDC
Outputs	
Fault Relay	NO,C,NC Contact rating: 1A @ 30VDC